Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/11/2017 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124912	-1	1.61	124748	1.54
Blue	F	SSC	125000	124158	-1	3.14	124458	2.95
Blue	E	FITC	21625	21179	-3	2.45	946	9.97
Blue	D	PE	26832	26467	-2	1.94	953	9.49
Blue	B	PerCP-Cy5-5	48027	47578	-1	3.46	1369	16.65
Blue	A	PE-Cy7	40971	40416	-2	5.10	621	34.77
Red	C	APC	49746	49317	-1	2.87	2838	9.31
Red	A	APC-Cy7	53615	52832	-2	2.93	1094	11.06
Violet	B	V450	14488	13794	-5	5.62	657	9.69
Violet	A	V500	55123	53598	-3	5.43	2374	7.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19482	5.01	608	10	N/A	N/A	Pass
Blue	F	SSC	61965	1.48	536	2	N/A	N/A	Pass
Blue	E	FITC	106	38.92	536	0	0.0223	220	Pass
Blue	D	PE	209	28.15	532	1	0.1715	243	Pass
Blue	B	PerCP-Cy5-5	216	43.66	628	-1	0.0104	82	Pass
Blue	A	PE-Cy7	68	116.90	677	-4	0.0125	17	Pass
Red	C	APC	334	27.00	588	-6	0.0213	73	Pass
Red	A	APC-Cy7	120	39.54	571	-9	0.0058	1625	Pass
Violet	B	V450	80	40.85	471	0	0.0486	1815	Pass
Violet	A	V500	172	21.99	497	1	0.0141	98	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/11/2017 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.47	-30.95	0.83
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.36	13.27 - 19.91	N/A	N/A	31.11	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11973

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments